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***The Trusted Integrator for Sustainable Solutions***

REMOVAL SUPPORT TEAM 2  
EPA CONTRACT EP-W-06-072

May 1, 2013

Mr. Dave Rosoff, On-Scene Coordinator  
U.S. Environmental Protection Agency, Region II  
Removal Action Branch  
2890 Woodbridge Avenue  
Edison, NJ 08837

**EPA CONTRACT NO: EP-W-06-072**

**TDD NO: TO-0027-0063**

**DOCUMENT CONTROL NO: RST 2-02-F-2399**

**SUBJECT: UNIMATIC MANUFACTURING CORPORATION, PHASE III  
ASSESSMENT – PROPOSED SAMPLING PLAN**

Dear Mr. Rosoff,

Enclosed please find the Phase III Assessment – Proposed Sampling Plan for the Unimatic Manufacturing Corporation Site located in Fairfield, Essex County, New Jersey.

If you have any questions, please do not hesitate to contact me at (732) 585-4411.

Sincerely,

Weston Solutions, Inc.

Peter Lisichenko  
Removal Support Team 2  
Site Project Manager/Group Leader

Enclosure

cc: TDD File No: TO-0027-0063

*an employee-owned company*



*In Association with Scientific and Environmental Associates, Inc.,  
H&S Environmental, Inc., and Avatar Environmental, LLC*

## **PROPOSED SAMPLING PLAN**

**SITE NAME:** Unimatic Manufacturing Corporation  
DC No.: RST 2-02-F-2399  
TDD No.: TO-0027-0063

**EPA SITE I.D. NO:** A21U

### **OVERVIEW**

At the request of the U.S. Environmental Protection Agency (EPA), Weston Solutions, Inc., Removal Support Team 2 (RST 2) conducted a survey and sampling plan for the equipment and inventory (EI) contained within the facility located on the Unimatic Manufacturing Corporation site (the Site). Based on previous investigations of the Site conducted by RST 2 in the Fall 2012, elevated levels of polychlorinated biphenyls (PCBs) have been detected throughout the facility including the floors, walls, equipment, and ambient air. As a result, the current occupants, Framework, Inc. (Framework), will be vacating the premises and moving its operations to a new location. In order to ensure that the PCB contamination is not spread to the exterior of the current facility, wipe sampling of the EI is being proposed. EI tested positive for PCBs will either be decontaminated or left at the facility for disposal at a later time. The following summarizes the EI survey conducted by RST 2 in April 2013 and the proposed sampling plan.

### **PROCEDURE**

At the direction of the EPA, Framework assessed the EI within the facility and identified those items that they determined as "priority". That is, those items that they will need immediately at their new location. A manila tag with the label "PRIORITY" was attached to each of these items.

On Thursday, April 18, 2013, RST 2, along with EPA, met with Framework and conducted a facility walk-through to review the "priority" items and to discuss the sampling plan. At the conclusion of the walk through, RST 2 began the survey. The survey included a picture of the item and the identification of two to five sample locations. The items were classified by room name and type (Bin, Cabinet, Cart / Dolly, Inventory, Machine, Rack, Tool or Workspace) and each of the proposed sample locations were assigned an identification number and photographed. To enhance the data capture a FileMaker Pro database application was developed and deployed using an Apple iPad and FileMaker Go application.

Post processing the data included downloading the information collected to a desktop computer and the generation of an inventory report (see Attachment A: Data CD).

### **RESULTS/CONCLUSIONS**

At the conclusion of the inventory, 400 samples were identified at 182 EI locations within the facility. The vast majority of these items were identified as "priority" with just a handful of items in the Loft Storage Area as non-priority.

For the purposes of laboratory procurement, it is recommended that an additional 50 samples be added to the laboratory request. These samples will account for EI identified at the time of sampling as well as quality control samples including field and lot blanks. Based on feedback from private laboratories the

estimated cost for PCB wipe analysis at a seven day turnaround time is \$85 per sample. At 450 samples, analytical cost for the PCB wipe samples is estimated to be \$38,250. This estimate does not include confirmation sampling for decontaminated items.

A hierarchical naming convention that is location driven will be employed to identify each sample. The schema will consist of the property identification number (P001), the room identification (see Table 1: Room Designation), the item classification (see Table 2: Item Classification), a three-digit item/location number within the room, and a two digit sample number at that location (i.e P001-PRR-ME-001-01). Field blanks will be designated with a "FB" followed by a date sequence (i.e. FB-20130429 for field blank collected on 4/29/13). Lot blanks will be designated with a "LB" followed by a date sequence and two digit iteration number to account for multiple wipe media lots that may be encountered in a single day (i.e. LB-20130429-01 for the first lot blank collected on 4/29/13). All sample management information will be captured in SCRIBE. In order to ensure the quickest receipt of laboratory analytical data, samples will be shipped daily.

**Table 1: Room Designation**

Room	Designation
Loft Storage Area	LSA
Machine Tool Room	MTR
Office	OFE
Pressing Room	PRR
Receiving Room	RCR
Screw Machine Room	SMR
Shipping Office	SGO
Shipping Room	SGR
Show Room	SHO
Sort / Packing Room	SPR
Storage Room	STR
Warehouse / Inventory Area	WIA

**Table 2: Item Classification**

Item Classification	Designation
Bin	BN
Cabinet	CT
Cart / Dolly	CD
Inventory	IY
Machine	ME
Rack	RK
Tool	TL
Workspace	WS

Based on the large number of samples and the need to ship daily, RST 2 anticipates the need for a four person sampling team that will include a Site Project Manager (SPM), a Sample Management Officer (SMO), and two samplers. Though the SPM primary function will be to manage the Site, it is anticipated that the SPM will assist with sampling once the operations is underway. The sampling event is expected to be completed over a four to five day period at 10 to 12 hours per day.

**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-LSA-001-ME-01

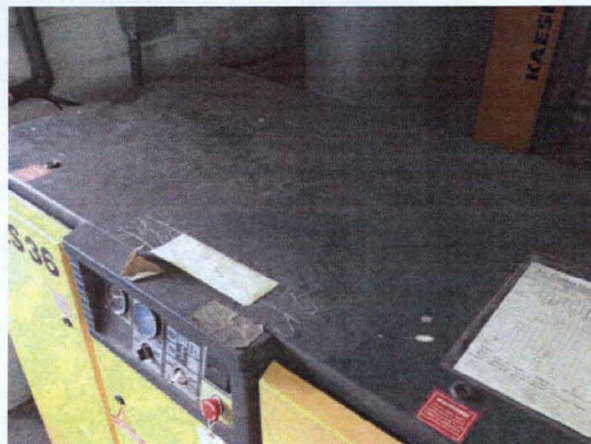
**Room:** Loft Storage Area

**Type:** Machine

**Result:** 0.74 PJ

**Description of Sample Location:**

*Top metal surface, flat and smooth*



**Sample ID:** P001-LSA-001-ME-02

**Room:** Loft Storage Area

**Type:** Machine

**Result:** 0.61 PJ

**Description of Sample Location:**

*Metal cross brace adjacent to air intake, smooth metal surface. Sample collected from the top and side of cross-bar.*



**Sample ID:** P001-LSA-002-IY-01

**Room:** Loft Storage Area

**Type:** Inventory

**Result:** 1.0 U

**Description of Sample Location:**

*Top of random cardboard box on rack.*





**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-LSA-002-RK-01

**Room:** Loft Storage Area

**Type:** Rack

**Result:** 1.0 U

**Description of Sample Location:**

*Top of cross brace, smooth-flat surface  
(painted).*



**Sample ID:** P001-MTR-001-ME-01

**Room:** Machine Tool Room

**Type:** Machine

**Result:** 220 E

**Description of Sample Location:**

*Towards the base of the machine along  
curved surface, smooth painted surface.*



**Sample ID:** P001-MTR-001-ME-02

**Room:** Machine Tool Room

**Type:** Machine

**Result:** 260 EP

**Description of Sample Location:**

*Top power supply at the rear of the machine,  
smooth painted surface - some metal debris.*





**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-MTR-002-ME-01

**Room:** Machine Tool Room

**Type:** Machine

**Result:** 13

**Description of Sample Location:**

*Top of machine, smooth metal surface. Lots of grease and grime.*



**Sample ID:** P001-MTR-002-ME-02

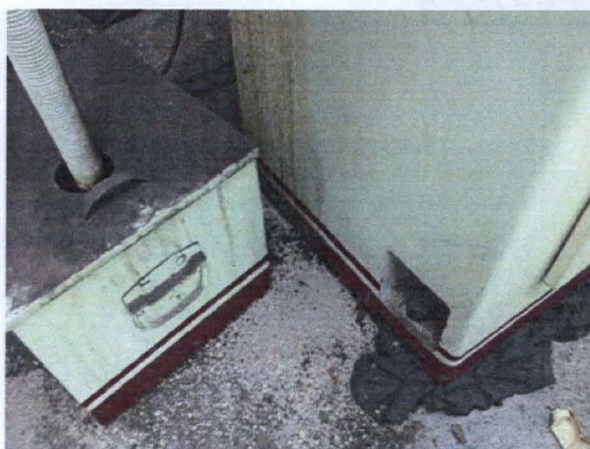
**Room:** Machine Tool Room

**Type:** Machine

**Result:** 59 E

**Description of Sample Location:**

*Side of machine near base, smooth metal surface.*



**Sample ID:** P001-MTR-003-RK-01

**Room:** Machine Tool Room

**Type:** Rack

**Result:** 2.0

**Description of Sample Location:**

*Base of rack leg, sample collected from front and side of bar near floor.*





**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-MTR-003-RK-02

**Room:** Machine Tool Room

**Type:** Rack

**Result:** 5.5

**Description of Sample Location:**

*Metal cross member, sample collected from top surface of bar.*



**Sample ID:** P001-MTR-003-RK-03

**Room:** Machine Tool Room

**Type:** Rack

**Result:** 4.7

**Description of Sample Location:**

*Wood shelf, sample collected from top and side of wood.*



**Sample ID:** P001-MTR-004-IY-01

**Room:** Machine Tool Room

**Type:** Inventory

**Result:** 58 E

**Description of Sample Location:**

*Top surface of metal wedge, unpainted surface.*





**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-MTR-005-ME-01

**Room:** Machine Tool Room

**Type:** Machine

**Result:** 420 E

**Description of Sample Location:**

*Drill Press - Side base of machine along the floor. Metal surface with chipped paint.*



**Sample ID:** P001-MTR-006-WS-01

**Room:** Machine Tool Room

**Type:** Workspace

**Result:** 85 E

**Description of Sample Location:**

*Top of workbench foot, metal surface with chipped paint.*



**Sample ID:** P001-PRR-001-IY-01

**Room:** Pressing Room

**Type:** Inventory

**Result:** 42 E

**Description of Sample Location:**

*Top surface of die on top shelf, smooth metal surface, unpainted.*





**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-PRR-001-IY-02

**Room:** Pressing Room

**Type:** Inventory

**Result:** 43 E

**Description of Sample Location:**

*Top surface of die on third shelf, smooth metal surface, unpainted. Die located on the back of the shelf near the wall.*



**Sample ID:** P001-PRR-001-IY-03

**Room:** Pressing Room

**Type:** Inventory

**Result:** 27 E

**Description of Sample Location:**

*Metal plate on bottom shelf, smooth surface with heavy grime.*



**Sample ID:** P001-PRR-002-ME-01

**Room:** Pressing Room

**Type:** Machine

**Result:** 62 E

**Description of Sample Location:**

*Top of metal base, metal painted surface, oily.*





**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-PRR-002-ME-02

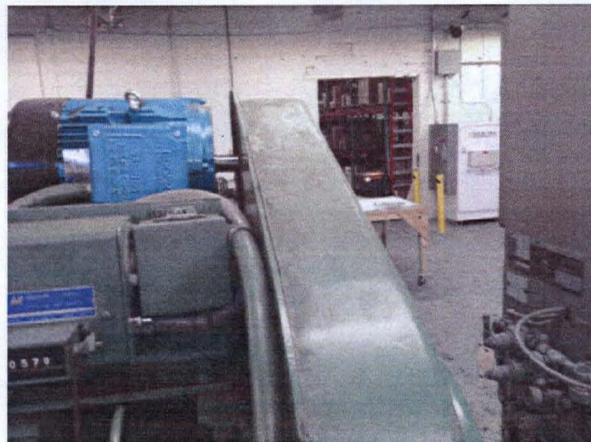
**Room:** Pressing Room

**Type:** Machine

**Result:** 8.1 E

**Description of Sample Location:**

*Top of belt guard on machine, smooth metal surface, heavy grime.*



**Sample ID:** P001-PRR-002-ME-03

**Room:** Pressing Room

**Type:** Machine

**Result:** 95 E

**Description of Sample Location:**

*Base of spool tray, smooth metal surface.*



**Sample ID:** P001-PRR-003-ME-01

**Room:** Pressing Room

**Type:** Machine

**Result:** 110 E

**Description of Sample Location:**

*Punch Machine, vibration arrestor side.*





**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-PRR-004-ME-01

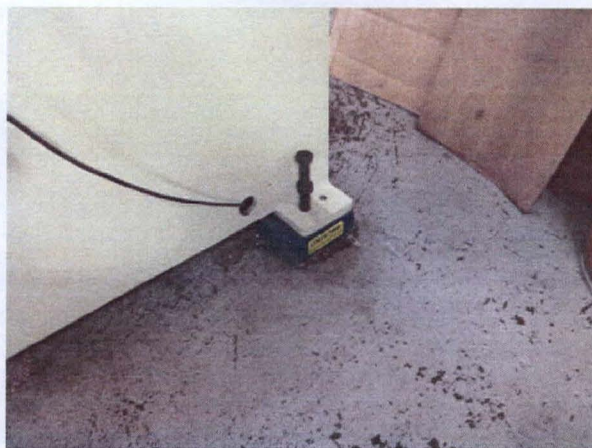
**Room:** Pressing Room

**Type:** Machine

**Result:** 10

**Description of Sample Location:**

*Punch Machine - along side of vibration arrestor (back right corner).*



**Sample ID:** P001-PRR-005-ME-01

**Room:** Pressing Room

**Type:** Machine

**Result:** 68 E

**Description of Sample Location:**

*Big green punch, sample taken from the underside of machine.*



**Sample ID:** P001-PRR-006-ME-01

**Room:** Pressing Room

**Type:** Machine

**Result:** 8.0 P

**Description of Sample Location:**

*Blue Punch - sample top of bottom crossbeam. Smooth metal painted surface.*





**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-PRR-007-WS-01

**Room:** Pressing Room

**Type:** Workspace

**Result:** 13

**Description of Sample Location:**

*Sample collected from wheels of wooden bench.*



**Sample ID:** P001-PRR-008-ME-01

**Room:** Pressing Room

**Type:** Machine

**Result:** 7.3

**Description of Sample Location:**

*Angle Machine - top of left front foot. Smooth painted metal surface*



**Sample ID:** P001-RCR-001-ME-01

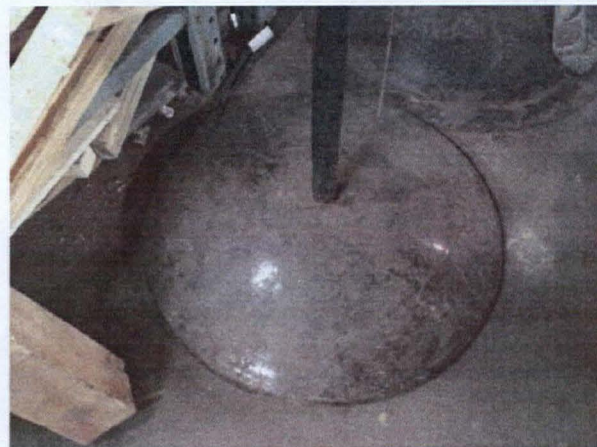
**Room:** Receiving Room

**Type:** Machine

**Result:** 4.0 P

**Description of Sample Location:**

*Sample collected from the side edge of base along the floor. Painted metal surface with some chipping.*





**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-RCR-001-ME-02

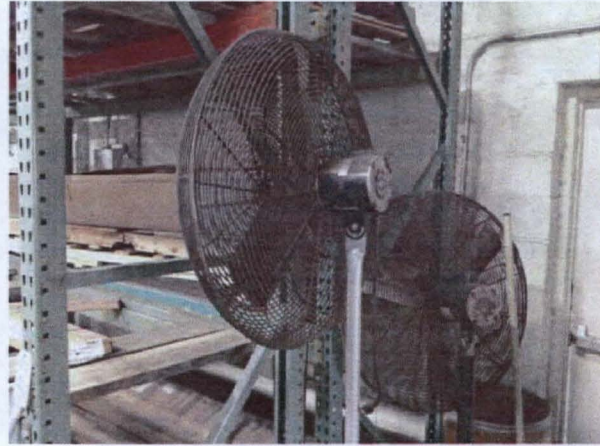
**Room:** Receiving Room

**Type:** Machine

**Result:** 14

**Description of Sample Location:**

*Sample collected from the backside of protective shield. Smooth steel surface, lots of grime.*



**Sample ID:** P001-RCR-002-RK-01

**Room:** Receiving Room

**Type:** Rack

**Result:** 11

**Description of Sample Location:**

*Bottom of rack leg, sample taken from the front and side of leg.*



**Sample ID:** P001-RCR-002-RK-02

**Room:** Receiving Room

**Type:** Rack

**Result:** 3.9

**Description of Sample Location:**

*Sample collected from the top side of cross-brace. Smooth painted metal surface*





**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-RCR-002-RK-03

**Room:** Receiving Room

**Type:** Rack

**Result:** 7.3

**Description of Sample Location:**

*Top side of cross-member closest to wall.  
Smooth painted metal surface*



**Sample ID:** P001-RCR-002-RK-04

**Room:** Receiving Room

**Type:** Rack

**Result:** 4.0

**Description of Sample Location:**

*Sample collected from top side of cross-member located approximately 12-feet above the floor. Smooth painted metal surface.*



**Sample ID:** P001-RCR-003-ME-01

**Room:** Receiving Room

**Type:** Machine

**Result:** 5.8

**Description of Sample Location:**

*Base of forklift basket. Composite plastic surface. Rough texture.*





**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-RCR-004-ME-01

**Room:** Receiving Room

**Type:** Machine

**Result:** 6.1

**Description of Sample Location:**

*Bottom base of metal fan. sample taken on flat area along outer rim. Metal surface with gouges and some oxidation.*



**Sample ID:** P001-SGR-001-CD-01

**Room:** Shipping Room

**Type:** Cart/Dolly

**Result:** 18 E

**Description of Sample Location:**

*Outer surface of wheels - 7" dia, 2" wide*



**Sample ID:** P001-SGR-001-CD-02

**Room:** Shipping Room

**Type:** Cart/Dolly

**Result:** 1.4

**Description of Sample Location:**

*Top metal surface of hand truck, smooth painted metal surface.*





**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-SGR-002-ME-01

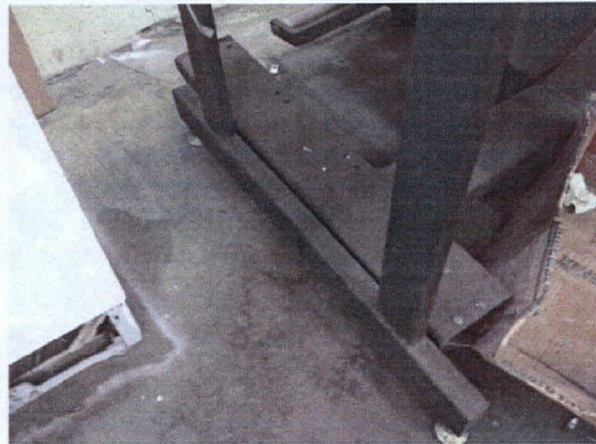
**Room:** Shipping Room

**Type:** Machine

**Result:** 1.7

**Description of Sample Location:**

*Sample collected from top and side of outside cross-brace. Textured painted surface.*



**Sample ID:** P001-SGR-002-ME-02

**Room:** Shipping Room

**Type:** Machine

**Result:** 1.1

**Description of Sample Location:**

*Top of metal housing. Textured painted surface.*



**Sample ID:** P001-SGR-003-ME-01

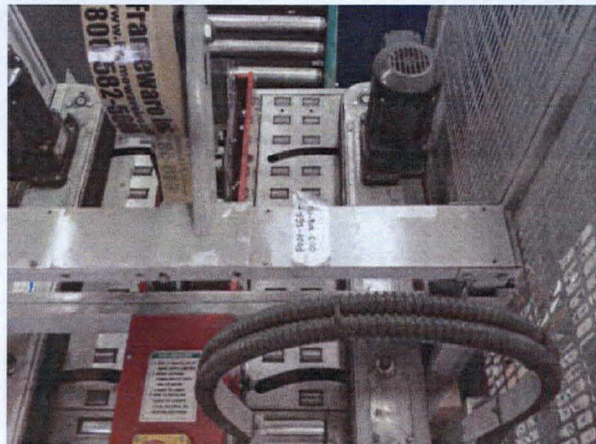
**Room:** Shipping Room

**Type:** Machine

**Result:** 2.5

**Description of Sample Location:**

*Box machine, top metal brace. Smooth painted metal surface.*





# Unimatic Manufacturing, Inc. Site

## Phase III Removal Assessment: Equipment Inventory



**Sample ID:** P001-SGR-004-ME-01

**Room:** Shipping Room

**Type:** Machine

**Result:** 21 E

**Description of Sample Location:**

*Staple Machine - Rubber pads at base of machine*



**Sample ID:** P001-SMR-001-ME-01

**Room:** Screw Machine Room

**Type:** Machine

**Result:** 34 E

**Description of Sample Location:**

*Top and side edges of metal footing. Surface is textured metal.*



**Sample ID:** P001-SMR-001-ME-02

**Room:** Screw Machine Room

**Type:** Machine

**Result:** 4.9 P

**Description of Sample Location:**

*Top side of cross-brace. Smooth painted metal surface.*





# Unimatic Manufacturing, Inc. Site

## Phase III Removal Assessment: Equipment Inventory



**Sample ID:** P001-SMR-001-ME-03

**Room:** Screw Machine Room

**Type:** Machine

**Result:** 3.3

**Description of Sample Location:**

*Top of control panel. Smooth painted metal surface.*



**Sample ID:** P001-SPR-001-WS-01

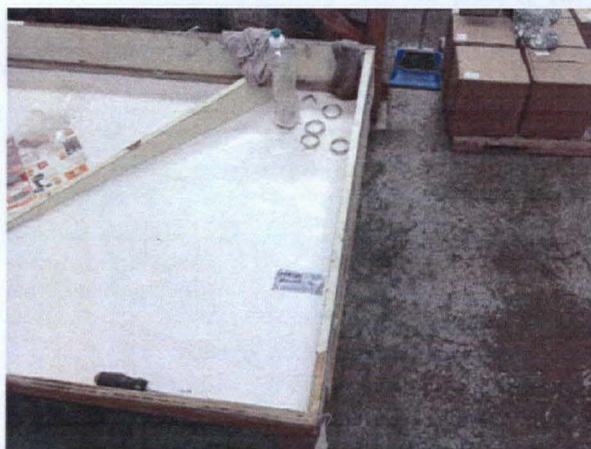
**Room:** Sort / Packing Room

**Type:** Workspace

**Result:** 1.9

**Description of Sample Location:**

*Top surface of work space. Smooth formica surface. Sample collected from middle right corner.*



**Sample ID:** P001-SPR-001-WS-02

**Room:** Sort / Packing Room

**Type:** Workspace

**Result:** 3.4

**Description of Sample Location:**

*Bottom of wood base.*





**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-SPR-001-WS-03

**Room:** Sort / Packing Room

**Type:** Workspace

**Result:** 6.7

**Description of Sample Location:**

*Top surface of packing machine, smooth metal surface.*



**Sample ID:** P001-SPR-001-WS-04

**Room:** Sort / Packing Room

**Type:** Workspace

**Result:** 5.5

**Description of Sample Location:**

*Bottom of foot peddle, portion of the sample was from rubber surface, other portion from painted metal surface.*



**Sample ID:** P001-SPR-001-WS-05

**Room:** Sort / Packing Room

**Type:** Workspace

**Result:** 15 E

**Description of Sample Location:**

*Outer edge of wheel - 3 1/4 dia, 1 1/4" wide*





# Unimatic Manufacturing, Inc. Site

## Phase III Removal Assessment: Equipment Inventory



**Sample ID:** P001-SPR-002-IY-01

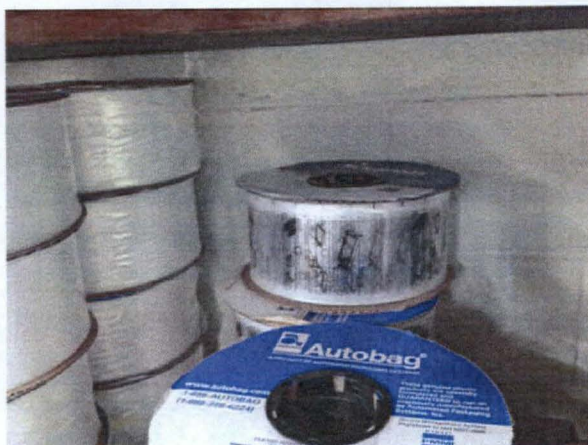
**Room:** Sort / Packing Room

**Type:** Inventory

**Result:** 1.0 U

**Description of Sample Location:**

*Top surface of cardboard package.*



**Sample ID:** P001-SPR-002-RK-01

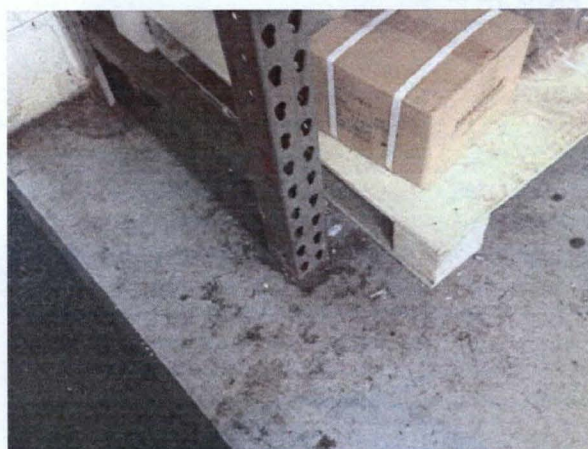
**Room:** Sort / Packing Room

**Type:** Rack

**Result:** 3.2

**Description of Sample Location:**

*Base of leg, sample collected from the from front and side edge. Painted metal surface, some oxidation.*



**Sample ID:** P001-SPR-002-RK-02

**Room:** Sort / Packing Room

**Type:** Rack

**Result:** 11

**Description of Sample Location:**

*Top side of cross-brace. Painted metal surface, some oxidation.*





**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-SPR-002-RK-03

**Room:** Sort / Packing Room

**Type:** Rack

**Result:** 1.8

**Description of Sample Location:**

*Top of wooden surface.*



**Sample ID:** P001-STR-001-WS-01

**Room:** Storage Room

**Type:** Workspace

**Result:** 2.7

**Description of Sample Location:**

*Wooden work bench, bottom of right front leg  
(wood)*



**Sample ID:** P001-WIA-001-RK-01

**Room:** Warehouse / Inventory Area

**Type:** Rack

**Result:** 23 E

**Description of Sample Location:**

*Bottom of leg of rack, sample collected just  
above the floor, front and side sampled.  
Smooth painted metal surface.*





**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-WIA-001-RK-02

**Room:** Warehouse / Inventory Area

**Type:** Rack

**Result:** 16 E

**Description of Sample Location:**

*Top of cross-brace just above the ground,  
smooth metal surface.*



**Sample ID:** P001-WIA-001-RK-03

**Room:** Warehouse / Inventory Area

**Type:** Rack

**Result:** 6.4

**Description of Sample Location:**

*Top of cross-member, smooth painted metal  
surface.*



**Sample ID:** P001-WIA-001-RK-04

**Room:** Warehouse / Inventory Area

**Type:** Rack

**Result:** 14

**Description of Sample Location:**

*Top of cross-member, smooth painted metal  
surface. Cross member approximately 12'  
above the ground.*





**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-WIA-002-RK-01

**Room:** Warehouse / Inventory Area

**Type:** Rack

**Result:** 75 E

**Description of Sample Location:**

*Bottom of leg of rack, sample collected just above the floor, front and side sampled.  
Smooth painted metal surface.*



**Sample ID:** P001-WIA-002-RK-02

**Room:** Warehouse / Inventory Area

**Type:** Rack

**Result:** 30 E

**Description of Sample Location:**

*Top of diagonal cross-brace, smooth metal surface.*



**Sample ID:** P001-WIA-002-RK-03

**Room:** Warehouse / Inventory Area

**Type:** Rack

**Result:** 19 E

**Description of Sample Location:**

*Top of cross-member, smooth painted metal surface.*





# Unimatic Manufacturing, Inc. Site

## Phase III Removal Assessment: Equipment Inventory



**Sample ID:** P001-WIA-002-RK-04

**Room:** Warehouse / Inventory Area

**Type:** Rack

**Result:** 13

**Description of Sample Location:**

*Top of cross-member, smooth painted metal surface. Cross member approximately 12' above the ground.*



**Sample ID:** P001-WIA-003-RK-01

**Room:** Warehouse / Inventory Area

**Type:** Rack

**Result:** 6.6 P

**Description of Sample Location:**

*Bottom of leg of rack, sample collected just above the floor, front and side sampled. Smooth painted metal surface.*



**Sample ID:** P001-WIA-003-RK-02

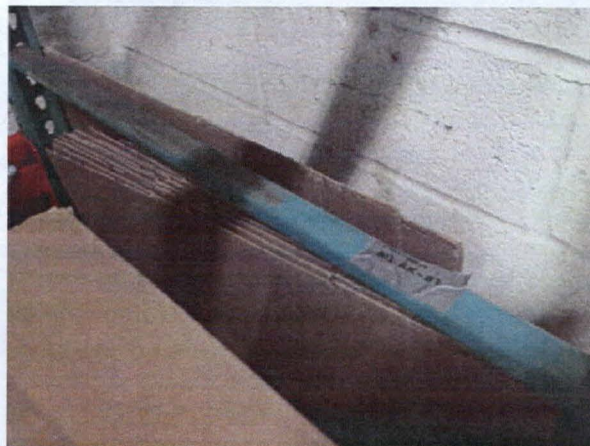
**Room:** Warehouse / Inventory Area

**Type:** Rack

**Result:** 14

**Description of Sample Location:**

*Top side of cross-brace, smooth painted metal surface.*





**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-WIA-003-RK-03

**Room:** Warehouse / Inventory Area

**Type:** Rack

**Result:** 14

**Description of Sample Location:**

*Top of cross-member, smooth painted metal surface.*



**Sample ID:** P001-WIA-003-RK-04

**Room:** Warehouse / Inventory Area

**Type:** Rack

**Result:** 6.5

**Description of Sample Location:**

*Top of cross-member, smooth painted metal surface. Cross member approximately 12' above the ground.*



**Sample ID:** P001-WIA-004-IY-01

**Room:** Warehouse / Inventory Area

**Type:** Inventory

**Result:** 1.0 U

**Description of Sample Location:**

*Cardboard box at TR11, box located in the back near the wall.*





**Unimatic Manufacturing, Inc. Site**  
**Phase III Removal Assessment: Equipment Inventory**



**Sample ID:** P001-WIA-005-IY-01

**Room:** Warehouse / Inventory Area

**Type:** Inventory

**Result:** 0.96 PJ

**Description of Sample Location:**

*Cardboard box located at E1*



**Sample ID:** P001-WIA-006-IY-01

**Room:** Warehouse / Inventory Area

**Type:** Inventory

**Result:** 0.91 PJ

**Description of Sample Location:**

*Cardboard box on pallet, M6*

